```
%{
#include <stdio.h>
int yywrap() {
return 1;
}
%}
digit [0-9]
alpha [a-zA-Z]
alnum [a-zA-Z0-9]
float {digit}+"."{digit}*
integer {digit}+
constant ("'"[^']'"'"|\".*\"|{float}|{integer})
%%
"#"("include"|"define").* { /* Ignore preprocessor directives */ }
{constant} { printf("Constant: %s\n", yytext); }
. { /* Ignore any other character */ }
%%
int main(int argc, char *argv[]) {
if (argc > 1) {
FILE *file = fopen(argv[1], "r");
if (!file) {
perror("fopen");
return 1;
}
yyin = file;
yylex();
fclose(file);
} else {
printf("Usage: %s <C source file>\n", argv[0]);
}
return 0;
```

}

```
Constant: "."

Constant: "'"[^']"'"|\".*\"


Constant: "#"("include"|"define"

Constant: "Constant: %s\n"



Constant: 1

Constant: 1
Constant: "r"

Constant: "fopen"

Constant: 1




Constant: "Usage: %s <C source file>\n"
Constant: 0

Constant: 0


C:\Users\geeth\OneDrive\Desktop\compiler prgms>
```